

OPTIMIZED DATABASE TECHNIQUE  
TO ENABLE FASTER DATA SYNCHRONIZATION

ABSTRACT OF THE INVENTION

5           Method and system that enables faster data synchronization between  
different databases. In one embodiment, a method for synchronizing data  
records between databases is provided. Initially, a first database is designated  
as a source database and a second database as a target database. The  
modification flag of a first data record in the source database is examined. If the  
10 first modification flag is set, the first data record is propagated to the target  
database. On the other hand, if the first modification flag is not set, a first  
modification count of the first data record is compared with a second  
modification count of a corresponding data record in the target database. In this  
embodiment, each of the modification counts is a value indicating how many  
15 times the respective data record has been modified. If it is determined that the  
first modification count has a higher value than the second modification count,  
the corresponding data record is updated according to the first data record.  
Importantly, the method of this embodiment can be carried out as described  
without comparing the raw data of the data records. As such, this embodiment  
20 of the present invention advantageously eliminates the record-by-record  
comparison that is inherent in the prior art synchronization process and the  
inconvenience associated therewith and provides an efficient data  
synchronization technique that can be beneficially utilized in numerous  
applications.

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